

Progressive

60
40
20
0



1

2

Deceased

60

40

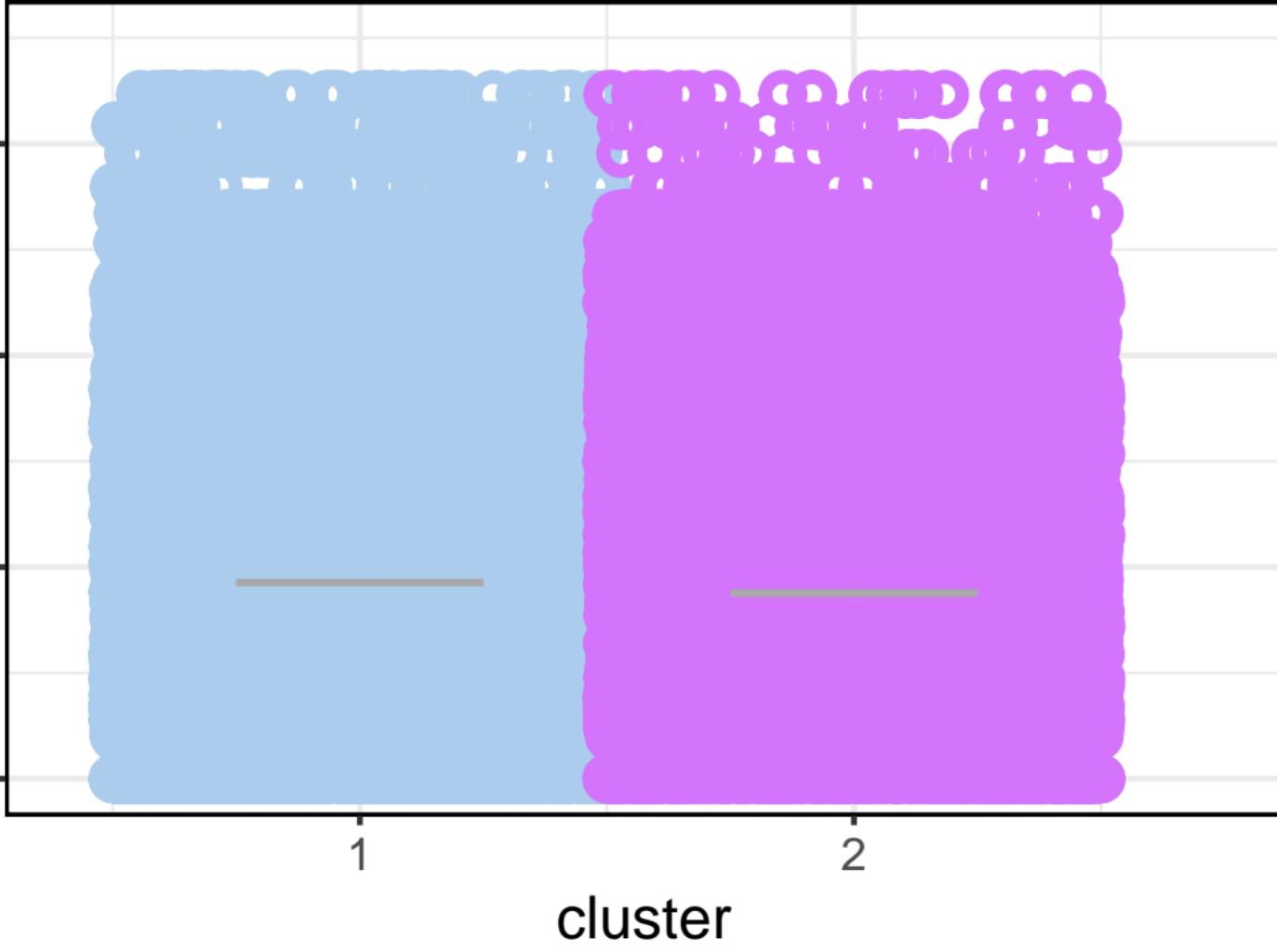
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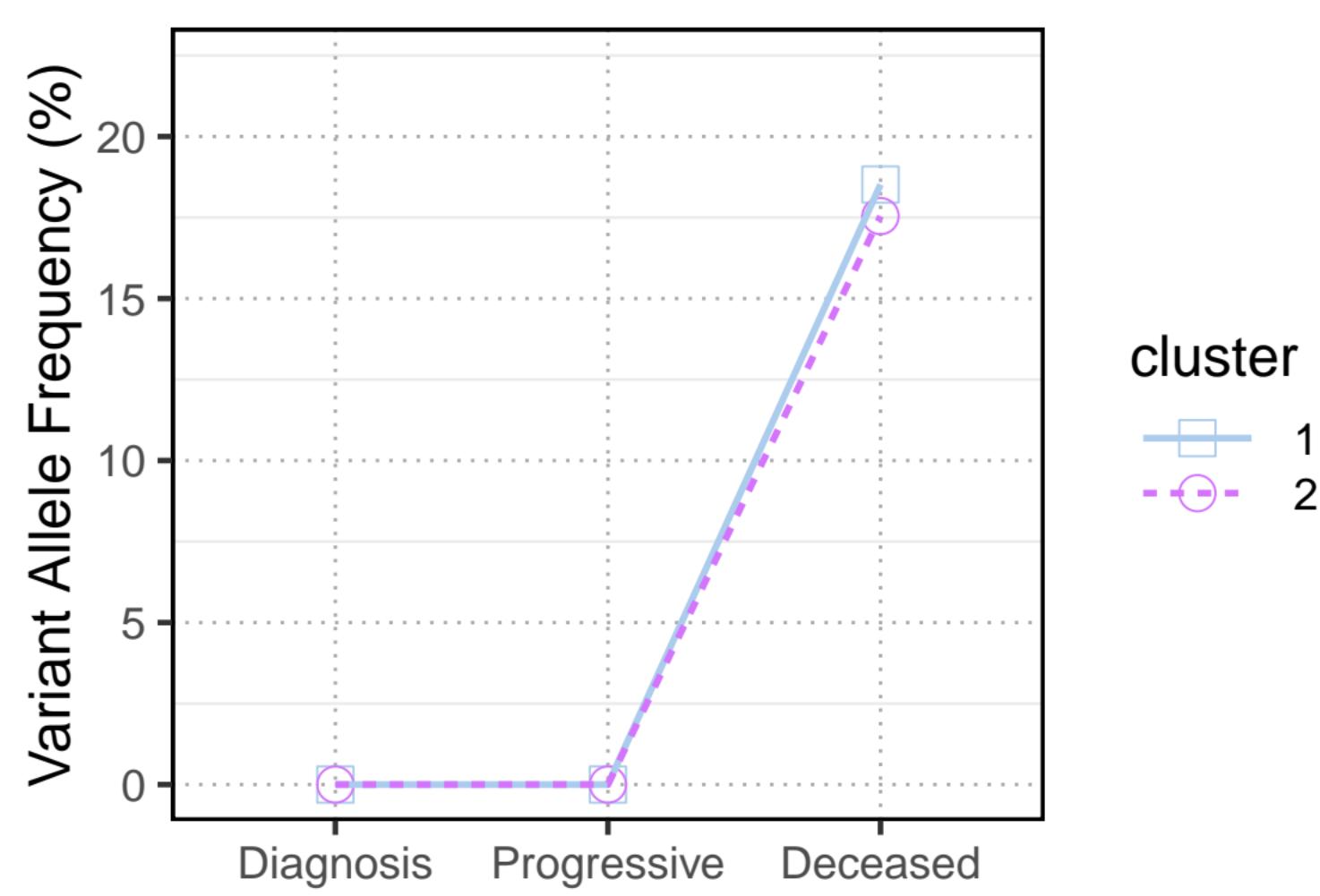
0

1

2

cluster





*Diagnosis,*Progressive,*~~Diagnosis~~,*Progressive,*Deceased

①

②

PIK3R1
HLA-B
TP53
PPM1D
MUC16
ATRX
AHNAK2
ATAD3B
PRSS1
SMARCB1
SLC35G5
ISM2

PIK3R1
HLA-B
TP53
PPM1D
MUC16
ATRX
AHNAK2
ATAD3B
PRSS1
SMARCB1
SLC35G5
ISM2

*Diagnosis,*Progressive,*Deceased

③

*Diagnosis,*Progressive,Deceased



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ATRX
AHNAK2
ATAD3B
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SMARCB1
SLC35G5
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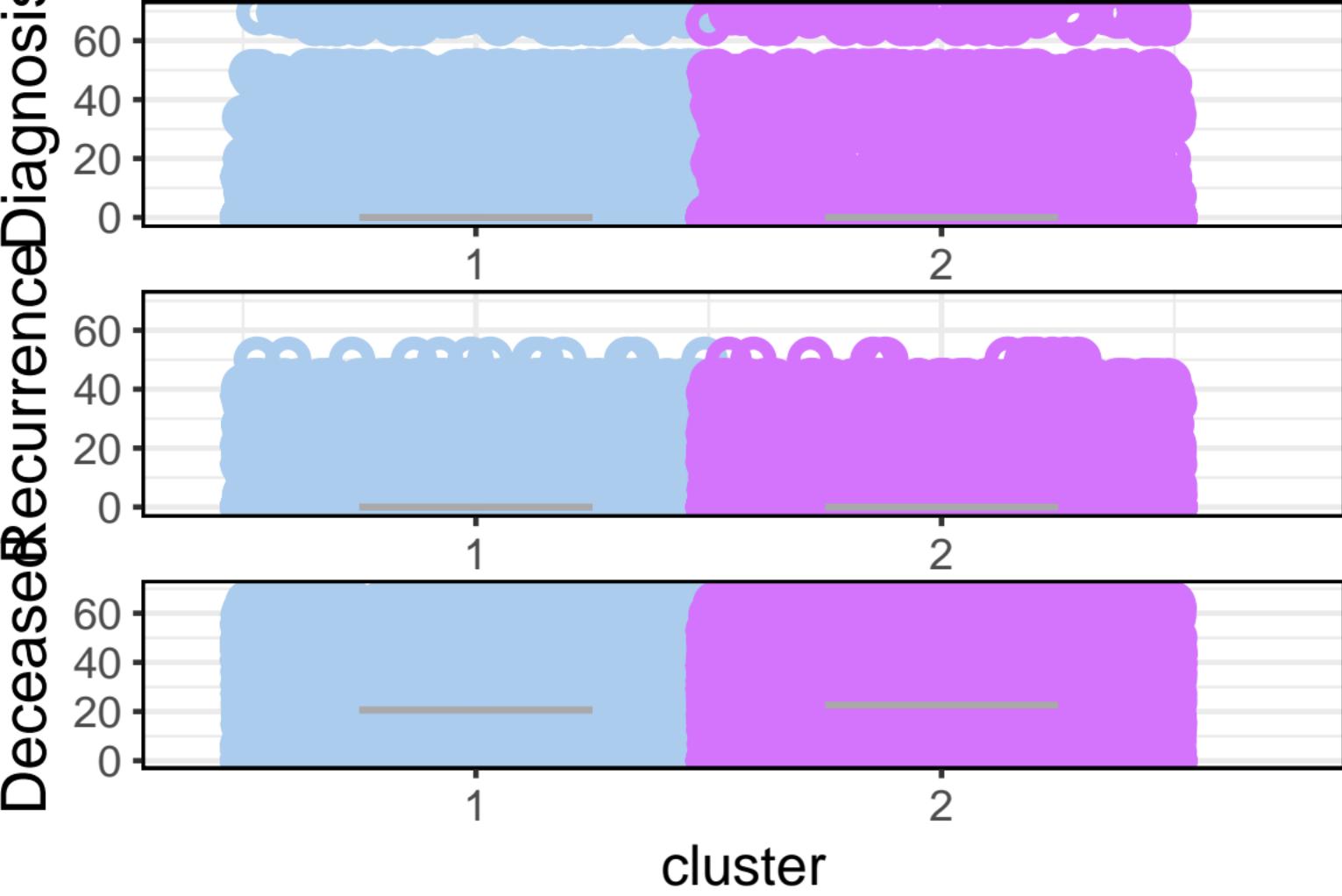
*Deceased



PIK3R1
HLA-B
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PPM1D
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ATRX
AHNAK2
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PRSS1
SMARCB1
SLC35G5
ISM2

*Diagnosis,*Progressive,*Deceased





Diagnosis

60
40
20
0



1

2

Recurrence

60

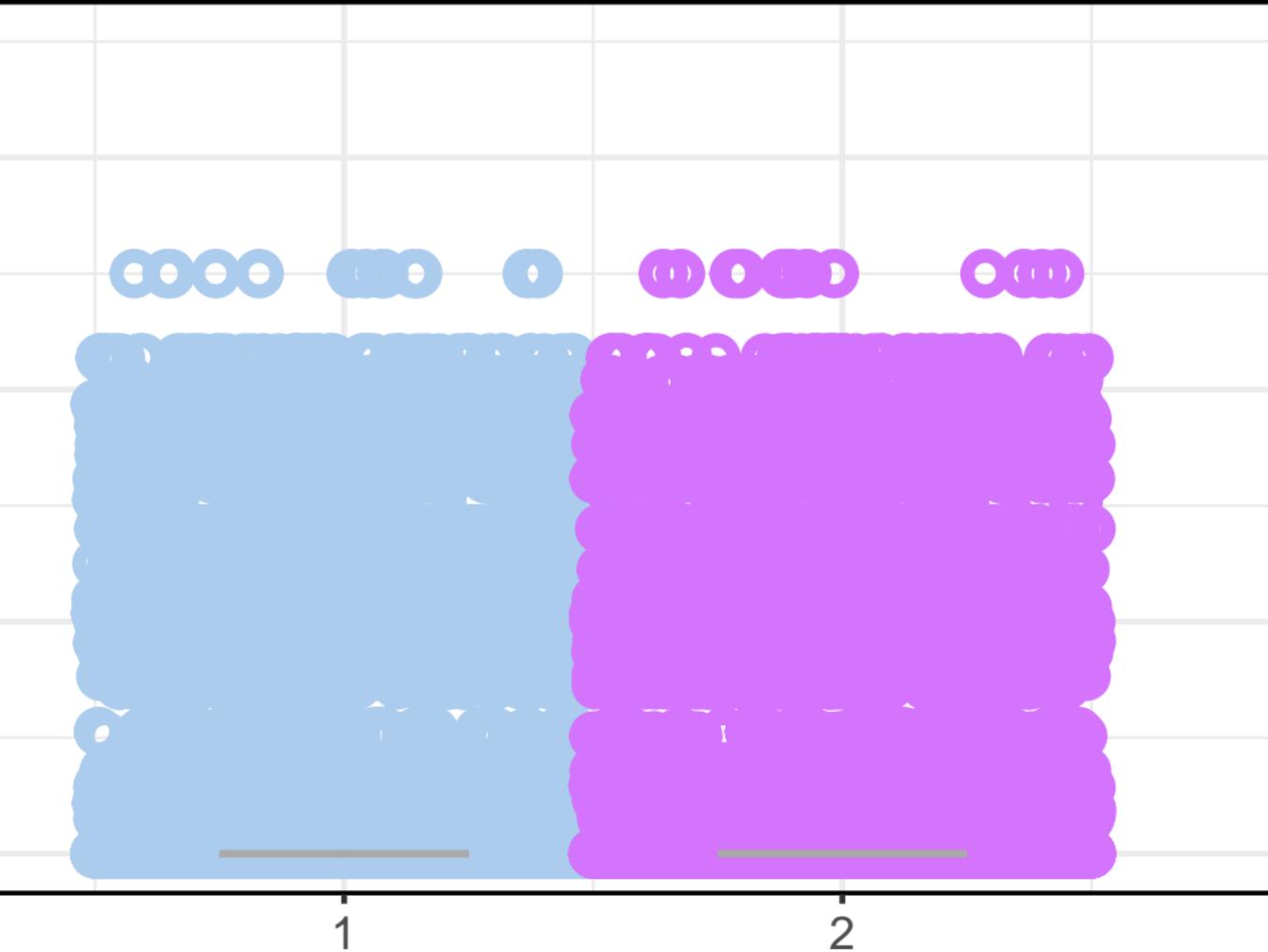
40

20

0

1

2



Deceased

60

40

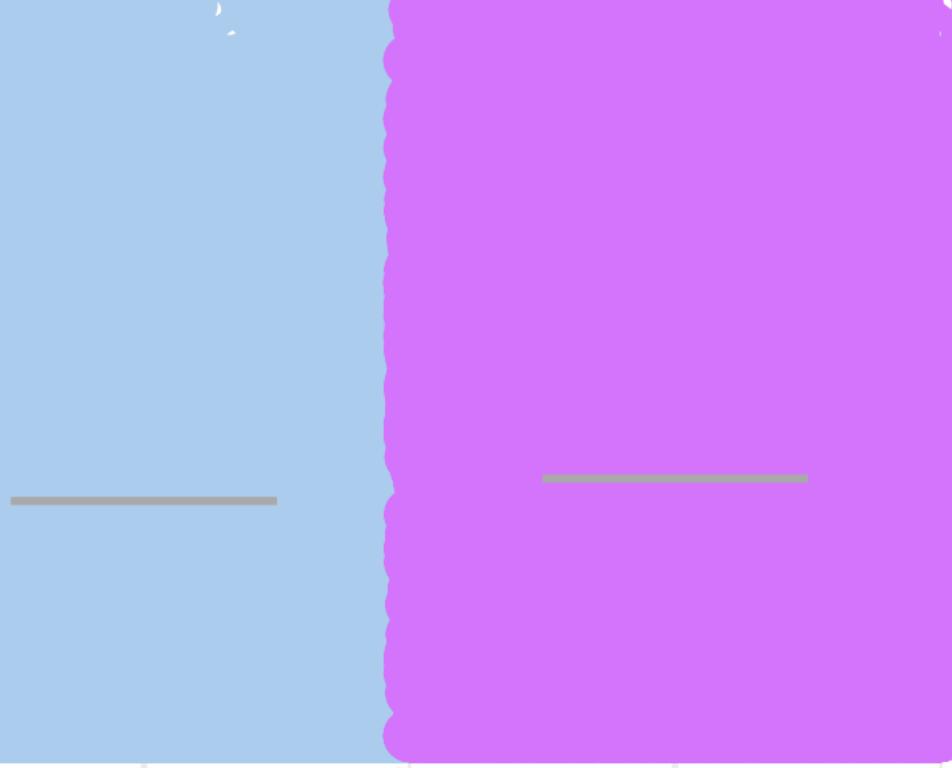
20

0

1

2

cluster



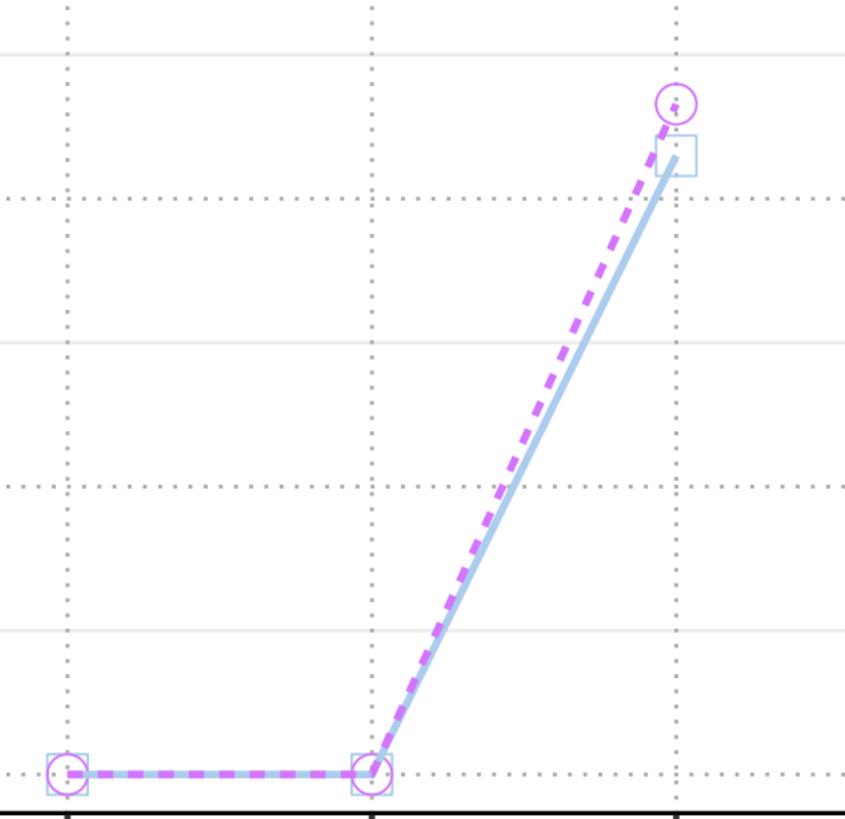
Variant Allele Frequency (%)

20
10
0

Diagnosis Recurrence Deceased

cluster

- 1
- 2



*Diagnosis,*Recurrence,*Diagnosis,*Recurrence,*Deceased

①

②

TP53
PSMC5
CIC
OR2T34
NF1
EGFR
AHNAK2

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PSMC5
CIC
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NF1
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AHNAK2

*Diagnosis,*Recurrence,*Deceased

③

*Diagnosis,*Recurrence,Deceased



TP53
PSMC5
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AHNAK2

*Deceased



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*Diagnosis,*Recurrence,*Deceased

